PATENT COOPERATION TREATY

From the INTERNATIONAL SEARCHING AUTHOR	RITY				
То:			PCT %		
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		w	RITTEN OPINION OF THE		
	ŀ	INTERNATIONAL SEARCHING AUTHORITY			
		٠.	(PCT Rule 43bis 1)		
	J	-	(I C.I Kuic 45013.1)		
	1				
		Date of mailing (day/month/year)			
Applicant's or agent's file reference		FOR FURTHER	ACTION		
1559	Ty I gliss Jan		See paragraph 2 below		
International application No. PCT/JP2004/005115	International filing date (Priority date (day/month/year) 11.04.2003		
International Patent Classification (IPC) or bot	h national classification an	od IPC			
Applicant					
KYOWA HAKKO KOGYO CO	. LTD.	•			
This opinion contains indications rela	ating to the following items	s:			
Box No. I Basis of the	opinion	•			
Box No. II Priority					
Box No. III Non-establi	ishment of opinion with reg	gard to novelty, invent	tive step and industrial applicability		
	ty of invention				
applicability	tatement under Rule 43bis. y; citations and explanation		novelty, inventive step or industrial tement		
Box No. VI Certain doc	uments cited .				
Box No. VII Certain defe	ects in the international app	plication			
Box No. VIII Certain obs	ervations on the internation	nal application			
2. FURTHER ACTION			·		
International Preliminary Examining	Authority ("IPEA") except chosen IPEA has notified	ot that this does not ap I the International Bui	ill be considered to be a written opinion of the ply where the applicant chooses an Authority other reau under Rule $66.1bis(b)$ that written opinions of		
	priate, with amendments,	before the expiration	A, the applicant is invited to submit to the IPEA a n of 3 months from the date of mailing of Form expires later.		
For further options, see Form PCT/IS	•		1		
3. For further details, see notes to Form	PCT/ISA/220.				
Name and mailing address of the ISA/JP		Authorized officer			
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Facility V			,		

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No.
PCT/JP2004/005115

Box	No. I	Basis of this opinion	
1.		regard to the language, this opinion has been established on the basis of the unless otherwise indicated under this item.	e international application in the language in which it was
		This opinion has been established on the basis of a translation from the orig	inal language into the following language furnished for the purposes of international search (under
	-	Rule 12.3 and 23.1(b)).	· · · · · · · · · · · · · · · · · · ·
2.	With inven	regard to any nucleotide and/or amino acid sequence disclosed in the tion, this opinion has been established on the basis of:	international application and necessary to the claimed
	a.	type of material	
		a sequence listing	
		table(s) related to the sequence listing	·
	b.	format of material	
		in written format	
		in computer readable form	•
	c.	time of filing/furnishing	•
		contained in the international application as filed.	•
•		filed together with the international application in computer readable	form.
		furnished subsequently to this Authority for the purposes of search.	
2		To addition to the consideration of	
	<u>.</u>	In addition, in the case that more than one version or copy of a sequence furnished, the required statements that the information in the subsequent or filed or does not go beyond the application as filed, as appropriate, were fur	additional copies is identical to that in the application as
4.	Addir	ional comments:	
			·

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International application No.
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Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability							
The questions whether the claimed invention appears to be novel, to involve an inventive step (to be non obvious), or to be industrially applicable have not been examined in respect of:							
	the entire international application		·	•			
\boxtimes	claims Nos. 18-22	· · · · · · · · · · · · · · · · · · ·					
becaus	se: the said international application, or the relate to the following subject matter		al preliminary examinatio	on (specify):			
	The subject matters of claims 18-22 relate to a method for treatment of the human body.						
			•	•			
				•			
	the description, claims or drawings (ii	-diana naviaular alaments halou) or	: d alaima Nos				
	are so unclear that no meaningful opin	• •	sald claims Nos.				
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	the claims, or said claims Nos. by the description that no meaningful	opinion could be formed.		are so inadequately supported			
\boxtimes	no international search report has been	n established for said claims Nos. 1	8-22	· · · · · · · · · · · · · · · · · · ·			
	the nucleotide and/or amino acid sequ Instructions in that:	uence listing does not comply with th	ne standard provided for in	n Annex C of the Administrative			
	the written form	has not been furnished	•	<u>-</u>			
		does not comply with the star	ndard				
	the computer readable form	has not been furnished does not comply with the star	ındard	,			
	rm only, do not comply with the						
	see Supplemental Box for further details			-			
	•			•			

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

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Во	Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement				
1.	Statement				
	Novelty (N)	Claims	5, 11, 17	YES	
		Claims	1-4, 6-10, 12-16, 23-27	NO	
	Inventive step (IS)	Claims		YES	
	•	Claims	1-17, 23-27	NO	
	Industrial applicability (IA)	Claims	1-17, 23-27	YES	
		Claims		NO	
			<u> </u>		

2. Citations and explanations:

Document 1: JP, 2001-78667, A (Fuso Chemical Co., Ltd.), 27 March, 2001 (27.03.01)(Family: none)

Document 2: Nippon Nogei Gakkai Koen Yoshishu, 5 March, 2003 (05.03.03), Vol. 20003, p. 58

Document 3: JP, 9-503197, A (Nutramax laboratories, Inc.), 31 March, 1994 (31.03.94)

Document 4: JP, 2003-81838, A (Rohto Pharmaceutical Co., Ltd.), 19 March, 2003 (19.03.03)(Family: none)

Document 5: Journal of Traditional medicines, 1998, Vol. 15, No. 5, pp. 296-297

Document 6: JP, 2001-72582, A (Sunstar Inc.), 21 March, 2001 (21.03.01)(Family: none)

Document 7: JP, 2003-501381, A (University of Sheffield), 14 January, 2003 (14.01.03)

The above documents 1-7 are cited in the ISR.

The subject matters of claims 1-5, 7-10, 12-16 and 23-27 do not appear to be novel, since document 1 describes a remedy for arthritis or a health drink which are obtained by combining glucosamine and tea, and also describes Hydrangea tea can be used as the tea.

Document 2 describes Hydrangea tea has an effect of controlling of TNF-α yield and that of preventing arthritis. Documents 3 and 4 describe that glucosamine and chondroitin sulfuric acid are used as a remedy for arthritis. Document 5 describes Thunberiginol, which is polyphenol of Hydrangea tea, has an immunosuppressive effect. Document 6 describes a synergistic remedy for arthritis obtained by combining polyphenol and glucosamine, and document 7 describes a synergistic remedy for arthritis obtained by combining catechol, which is polyphenol having an effect of controlling of TNF-α yield, and glucosamine or glucosamine sulfuric acid. On the other hand, Hydrangea tea is a well-known additive for foods or drinks as sweetening before this application. So, it is considered to be obvious for a person skilled in the art that Hydrangea tea and glucosamine or chondroitin sulfuric acid, which are respectively known for their having an effect of treating arthritis, are combined to constitute a more effective remedy for arthritis. And it is also considered to be obvious for a person skilled in the art that the polyphenol components or the components of Hydragea tea as an inhibitor of TNF-α yield described in documents 6 and 7 are adopted in order to provide a remedy for arthritis, foods and drinks, an additive for foods and drinks, livestock feed or an additive for livestock feed.

Therefore, the subject matters 1-17 and 23-27 do not appear to involve an inventive step.